

**Title of Invention**

**Math and Reading Standardized Test**  
**CD Plus!**  
**Ryan C.H.Leacock(applicant/inventor)**  
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**Status: American Citizen/British**  
**Citizen(dual national status-born in England, American**  
**citizenship papers dated for the year 1984)**

**(I actually developed the invention and schematics in**  
**September of 2003. I mailed myself a letter with my**  
**notations and schematics to prove when I came up with the**  
**idea. If you need the original letter,it can and will be**  
**provided to you. The actual date was in June; I mailed it in**  
**September.)**

**This invention is an actual learning**  
**cd-rom designed to help the children of elementary school**  
**age achieve the appropriate scoring levels on their**  
**standardized tests. The subject area would be that of**  
**mathematics and reading. Since both are required for each**  
**grade level, I believe it would be beneficial to entertain**  
**both subject criteria.**

**A computer program must be**  
**produced in order to facilitate a project of this magnitude.**  
**It is imperative that one understands written permission**  
**from the Department of Education is required in order to**  
**perform such a task.**

**Through extensive research,I have**  
**come to the conclusion that students are not performing**  
**well on these tests;some 50%+ in each grade level.**

**Since there is no learning cd of this**  
**nature on the market today,I embark on a mission to create**  
**a learning apparatus like no other. Once implemented into**  
**the mainstream educational system,students will never**  
**look at taking the standardized tests the same way again.**

**I have no doubt in my mind that there are other compact disks out there which are designed to help;but none directly for the students.What I provide is a test taking format,which includes such factors as helping with test anxiety. I am providing the children with two essentials;what they want,coupled with what they need.**

**By providing a similar testing environment to that of the classroom,along with accompanying distractions(at certain levels) and other various factors, this is as complete a tool as one can get.**

**The PLUS! Icon factors in as a preparer for the years subject requirements. Since the standardized tests are based on the syllabus of that particular subject, it would be an excellent preparation tool for the child during the summer months. It gives you prior knowledge of what to expect once the child enters the new grade.**

### **Drawings**

**Several drawings will accompany the detailed description of the invention.They will be in numbered sequence . Please refer to the drawings when prompted in the full description.**

### **Detailed Description of the Invention**

**Beginning on the next page**

**What:** Math and Reading Educational Cd- rom directed towards helping children pass the standardized tests, which are a basic requirement of academic promotion. Can be sold as a set, being the two tests are necessary .

**Market::** Designed for grades 3 to 8.  
Parents will purchase to help their children attain the necessary scores.

When speaking of parents, four categories come to mind:

1.) Parents who are not fully aware of the educational system; they want to help the child but simply lack the basic fundamentals to do so (parents learn while children learn).

2.) Parents who work long hours or have more than one job; the time is not there to provide the necessary help.

3.) Parents who are easily frustrated; they do not have the patience required to spend one on one time with their children. When a parent already knows the material, they sometimes forget the fact that they themselves had to learn it. Some at a slower pace than others.

4.) Parents that are totally responsible and simply want their children to receive the necessary test preparation in order to succeed, with regards to taking these exams (Some parents may even want to buy an extra one so their children can begin preparing in the summer for the next grade level).

**COMPETITION:** There is currently no educational cd developer with a standardized test preparation cd on the market.

**DEMAND:** Always there; as long as there are children attending schools and standardized tests are a requirement. In the case that these standardized tests are ever phased out (highly unlikely), it can double as a cd rom that teaches the children the necessary skills required for that particular grade.

**HOW:** 1.) We look at the core curriculum for a particular grade level in the areas of mathematics and reading. 2) Get the Education Departments backing (which you already work closely with). 3) Simulate similar problems and questions in order to create an adequate test environment

MARKETABILITY: This product will actually sell itself. Once the public sees what this cd roms intended purpose is.

LEVELS: EASY MEDIUM  
DIFFICULT(X)

(The levels are actually a play on words. When the child has passed the difficult level,he/she has made the difficult look easy).

## MATH SOFTWARE

HOW SOFTWARE BEGINS: EASY LEVEL

TITLE SCREEN(see ill #1)

You receive a letter in the mail providing you with the following information: (see ill #2)

- 1.)Date of test and time
- 2.)School you must report to
- 3.)Room number the exam is to be held in and seat number
- 4.)Teachers name
- 5)Bring letter and 2 sharpened number two pencils

NAME AND LEVEL ADJUST(see ill #3)

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It is the day of the test and you begin at home. As you go outside,you meet people whose names simultaneously appear on screen(see ill #4)(children,adults,cats and dogs)while on your way to the bus(Must be remembered). You get on the bus and say hello to the driver.The bully tries to trip you,but is unsuccessful. You arrive at JUSTIN TYME(just in time)ELEMENTARY SCHOOL. You meet the principal, C.Wright(see right) and the assistant, B.Ready(be ready)(See ill #5 for rough sketch of bus interior)

Go through the school entrance doors. While you are walking down the hall, you notice a couple of friends talking. You say hello. Continue walking until you get to the designated classroom, and enter. Sit in assigned seat. You are the first to arrive, so the room is empty.

The bell rings and the others come rushing in. The teacher appears through the doors (name appears after she introduces herself) and asks to see everyone's letter and identification card. She begins to explain the rules and regulations (50 minute time limit, no talking, no gum chewing, cheating will not be tolerated, if you go to the bathroom during the exam, the clock keeps running) (see ill.#6). The teacher asks if you remembered your pencils. If not, she has extras.

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Before the test is taken, you must provide the names of the people, places and things that you have passed by on your way to the exam (certain questions will be asked). (see ill.#7)

In order for you to remember the people, places and things, they must be written down (as explained in the instruction manual). Either with scrap paper, or a wipe-off sheet with marker, which can either come with the software, or be sold separately. (see ill.#8)

Once all the correct data is input, we go to the start screen. (see ill.#9)

Time to use the scrap paper or wipe off sheet (with marker included)

In this mode, you put down the first step (A, B, or C). Press enter.

3 attempts at the incorrect answer and the computer shows the step.

Data can be saved at any time. (see ill.#10)

**MEDIUM LEVEL:** The same introduction as the EASY mode, except  $\frac{1}{2}$  of the names are missing. You must fill them in.

No formula on screen (see ill.#11).

Both problems and answers appear on screen.

Pause at any time and save (children can refer to their math book for help; no math book means that you have to refer to the EASY level)

**Difficult level:** Same school scenario. This time you must remember all the peoples names to move on.

By this time you should know that 2 number 2 pencils are necessary to take the exam, the letter, and your identification card. Leaving one thing behind starts you from the beginning of the level.

There is no pause button. The only 2 options are whether you want the background noise of the children (XTREME DIFFICULT MODE) taking the exam with you or not. No matter which one you choose, the teacher will remind you every 10 minutes of the exam of the time remaining.

**DIFFICULT MODE:** A clock counts down the time remaining. (see ill. #12)

**EXTREME DIFFICULT MODE:** No clock, just teachers reminders. (see ill. #13)

At the end, your score is posted with a congratulations certificate, or a "try again" message. (see ill. #14a & 14b)

Computer will display (if needed) the areas in which you need more practice.

If you pass, you have the option of printing out your certificate.

**FINAL NOTE:** This in no way, shape, or form is the childrens actual exam. Not to be mistaken for their actual test.

SAME FORMAT AS MATH SOFTWARE. Only variation is the different characters and names that are included during the introduction.

Can be based on the English standardized tests of the past or the standard core curriculum for each grade.

Accompanying this program will be a definitions section(children are required to know meanings of certain words,based on their grade level.

LEVELS:	EASY	MEDIUM	DIFFICULT /EXTREME
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CONTENTS: 1.) Definitions: children will be expected to know certain words as the school year progresses. Included will be such terms as MAIN IDEA,CONTEXT,SUMMARY,etc..

2.) Story reading/answer section(depending on level,certain tasks will be required).

(Although a definitions section will not appear on every grade leveled exam,it is crucial that you know what is being asked of you.)

(USING THE 6<sup>th</sup> GRADE TEMPLATE AS AN EXAMPLE)

Illustration 1-(EASY)- pause and save(see ill.#15a&15b)

Illustration 2-(MEDIUM)- pause and save(see ill.#16a&16b)

Illustration 3-(DIFFICULT)- no pause(see ill.#17a&17b)  
EXTREME DIFFICULT)

At the end of the difficult phase, you receive a pass/try again message (you don't want to use the word fail, as it may discourage the children from trying again).

\* A small booklet will accompany each cd-rom explaining what is required of them for that particular grade level, pertaining to that subject (in this case, reading) exclusively. (see bill # 18a & 18b) 1/

Help me to help those who need help, help themselves (the children are our future; we must begin now to ensure a brighter one.).

**THANK YOU**

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